

Title (en)
ELECTRONIC CIGARETTE

Title (de)
ELEKTRONISCHE ZIGARETTE

Title (fr)
CIGARETTE ÉLECTRONIQUE

Publication
EP 3127437 A1 20170208 (EN)

Application
EP 14731531 A 20140327

Priority
CN 2014074186 W 20140327

Abstract (en)
An electronic cigarette includes: a housing; a mouthpiece located at an end of the housing, the mouthpiece defining an air outlet thereof; an atomizing assembly received in the housing, the atomizing assembly includes: a liquid reservoir for storing liquid, the liquid reservoir defining a channel therethrough communicated with the air outlet; a liquid absorption element connected to the liquid reservoir, the liquid absorption element is configured to absorb the liquid; and a heating element connected to the liquid absorption element, the heating element is configured to atomize the liquid absorbed by the liquid absorption element into atomized gas, the atomized gas enters the channel; and a power source received in the housing and connected to the atomizing assembly, the power source being configured to provide power for the heating element. The liquid absorption element has a greater contact area with the heating element, which results in a better atomizing effect.

IPC 8 full level
A24F 40/44 (2020.01); **A24F 47/00** (2006.01); **A24F 40/10** (2020.01)

CPC (source: EP US)
A24F 40/44 (2020.01 - EP US); **A61M 11/041** (2013.01 - EP US); **A61M 11/042** (2014.02 - EP US); **A61M 15/06** (2013.01 - EP US); **H05B 3/44** (2013.01 - EP US); **A24F 40/10** (2020.01 - EP US); **A61M 2205/8206** (2013.01 - EP US); **H05B 2203/014** (2013.01 - EP US); **H05B 2203/021** (2013.01 - EP US); **H05B 2203/022** (2013.01 - EP US)

Cited by
US11413409B2; WO2024094501A1; EP3020292B1; EP3020292B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 2015272218 A1 20151001; EP 3127437 A1 20170208; EP 3127437 A4 20170927; EP 3127437 B1 20181205; WO 2015143666 A1 20151001

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US 201414371834 A 20140327; CN 2014074186 W 20140327; EP 14731531 A 20140327